	MASSIVE ELECTRODE												
	5/8" - 24 Thread						3/4" - 20 Thread						
	Fine Wire	Massive					Fine Wire			Massive			
FAA-PMA Approved Engine Applications	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
Curtiss-Wright													
GR-2600; A2, A2A, A2B, B2, B5			x								x		
GR-975; 13/16" reach cyl.			x								x		
GR-975; 1/2" reach cyl.					x								x
R-1300; 1A, 1B, 3, 3A, 3B, 3C, 3D			x								x		
R-1820; F-2A, F-3A, F-56, G-2, G-3, G-3B, G-5, G-5E			x								x		
R-2600; 11, 13, 3, 8			x								x		
R-760; 13/16" reach cyl.			x								x		
R-760; 1/2" reach cyl.					x								x
R-975; 13/16" reach cyl.			x								x		
R-975; 1/2" reach cyl.					x								x
Whirlwind-GR; 540E					x								x
Whirlwind-J; 13/16" reach cyl.			x								x		
Whirlwind-J; 1/2" reach cyl.					x								x
Whirlwind-R; 540E					x								x
Franklin													
2A-120; A, B, C, D										x			
4A-235; B, B2, B3, B6										x			
4A-235; B31, B4							x			x			
6A-335; B, B1A, D							x	x		x			
6A-335; A								x					
6A-350; C1, C1A, C2, C2A, D1, D1A, D1B							x			x			
6A-350; C1L, C1R, D							x	x		x			
6AS-335; A, B										x			
6AS-350; A, A1										x			
6V-350; A, B										x			
6VS-335; A, A1, B, B1			x							x			
Jacobs													
L-4 Series, L-5 Series, L-6 Series		x			x				x				x
R-755; S, SM				x								x	
R-755; A1, A2, A2M, A2M1, B1, B2, B2M, E					x								x
Ken Royce													
Ken Royce-7; F, G					x								x
Ken Royce-90; 5G					x								x
Kinner													
B-5 Series, B-54					x								x
C-5 Series					x								x
K-5 Series					x								x
R-5 Series					x								x
R-540; 1, 3					x								x
R-55, R-56					x								x
LeBlond													
LeBlond-110; 7DF					x								x
LeBlond-70; 5DE, 5E					x								x
LeBlond-85; 5DF, 5F					x								x
LeBlond-90; 5F					x								x
Menasco													
Buccaneer-A; 6					x								x
Buccaneer-B; 6					x								x
Buccaneer-B6S					x								x
Pirate-A; 4					x								x
Pirate-B; 4					x								x
Pirate-C; 4					x								x
Pirate-M; 50					x								x
Super Buccaneer-C6S; 4					x								x

FAA-PMA Approved Engine Applications	MASSIVE ELECTRODE												
	5/8" - 24 Thread						3/4" - 20 Thread						
	Fine Wire	Massive					Fine Wire			Massive			
	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
Super Pirate-D; 4					x								x
Super Pirate-D4; 87					x								x
Pezetel													
ASZ-62IR; 16, M18		x									x		
PZL-3S, PZL-3S 2nd Series, PZL-3SR		x									x		
Pratt & Whitney													
Double Wasp-Double Wasp Series							x						
R-1340 Wasp Series; 13/16" reach cyl.		x								x	x		
R-1340 Wasp Series; 1/2" reach cyl.					x								x
R-1800; Twin Wasp E1		x								x	x		
R-1830; 49, 53, 57, 61, 65, 67, 75, 82, 86M2, 90B, 90C, 90D, 92, 92A, 94, 94M1, 94M2, 96, Twin Wasp Series		x									x		
R-2000; 11, 11M1, 11M2, 11M3, 11M4, 3, 4, 4M1, 4M2, 7, 7M1, 7M2, 7M3, 9, 9A, 9M1, 9M2, 9M3, 9M4, 9M6		x									x		
R-2800; 21, 21M1, 27, 27M1, 31, 31M1, 31M2, 51, 51M1, 51M2, 51M3, 51M4, 59, 59M1, 63, 71, 75, 75M1, 75M2, 75M3, 79, Twin Wasp Series		x								x	x		
R-2800; 97							x			x			
R-985; 13, 17, 19, 1M1, 23, 25, 27, 39, 39A, 48, 5, 50, AN, AN-1, AN-10, AN-12, AN-12B, AN-14B, AN-14BM1, AN-2, AN-3, AN-4, AN-5, AN-6, AN-6B, AN-8, Wasp Jr.			x		x								x
SR-1340 Wasp Series; E					x								x
Twin Wasp-S1C; G							x						
Twin Wasp-S1C3; G							x						
Twin Wasp-S3C4; G							x						
Twin Wasp-S4C4; G							x						
Twin Wasp-SC; G							x						
Twin Wasp-SC3; G							x						
Ranger													
6-390; D3					x								x
6-410; B1, B1A, B2A, B2B, B3					x								x
6-440; C2, C3, C4, C5					x								x
Superior Air Parts													
IO-360		x			x	x							
O-360		x			x	x							
Teledyne Continental Motors													
A-65; 12, 12F, 12FJ, 12J, 14, 14F, 14FJ, 14J, 8FJ, 9, 9F, 9FJ, 9J			x		x								x
A-65; 1, 7	x				x			x					
A-65; 3, 6, 6J, 8, 8F, 8J					x								
A-75; 3	x			x	x			x				x	
A-75; 6, 6J, 9, 9J	x				x			x					
A-75; 8, 8F, 8FJ, 8J					x								
C-115; 1, 2	x		x		x			x					x
C-125; 1, 2	x		x		x			x					x
C-145; 2, 2H, 2HP	x		x		x	x		x				x	x
C-75; 12, 12F, 12FH, 12FHJ, 12FJ, 12J, 15, 15F	x		x		x	x		x				x	x
C-75; 8, 8F, 8FH, 8FHJ, 8FJ, 8J	x				x			x					
C-85; 14	x		x		x	x		x				x	x
C-85; 12, 12F, 12FH, 12FHJ, 12FJ, 12J, 14F, 15, 15F, 8, 8F, 8FHJ, 8FJ, 8J	x				x					x			
C-90; 12F, 12FH, 12FJ, 12FP, 14F, 14FH, 14FJ, 16F, 8F, 8FJ	x				x					x			
E-165; 2, 3, 4	x		x	x	x	x		x				x	x
E-185; 1, 10, 11, 2, 3, 5, 8, 9	x		x	x	x	x		x				x	x
E-225; 2, 4, 8, 9	x		x	x	x	x		x				x	x
FSO-470; A				x							x		

MASSIVE ELECTRODE

Thread groups: **5/8" - 24 Thread** (UREB36S = Fine Wire; UREM38S, UREB37E, UREM37BY, UREM38E, UREM40E = Massive) | **3/4" - 20 Thread** (URHB32S, URHB36S, URHM38S = Fine Wire; URHB32E, URHB37E, URHM38E, URHM40E = Massive)

FAA-PMA Approved Engine Applications	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
GIO-470; A										x			
GO-300; A, B, C, D, E, F		x		x	x	x			x			x	x
GTSIO-520; E							x			x			
GTSIO-520; C, D, F, H, K, L, M, N							x	x		x			
IO-240; B		x			x					x		x	
IO-346; A, B		x			x	x				x	x	x	x
IO-360; B		x			x	x				x		x	x
IO-360; DB		x			x					x		x	
IO-360; A, AB, C, CB, D, E, ES, G, GB, H, HB, J, JB, K, KB		x			x					x		x	
IO-470; A, C, G, J, K, P, R, T		x			x	x				x		x	x
IO-470; H, M		x			x		x	x		x			
IO-470; D, E, F, L, LO, N, S, U, V, VO										x			
IO-520; A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB										x			
IO-550; A, D, E, F, G, L, N										x			
IO-550; B, C							x	x		x			
IO-550; P, R								x					
IOF-240; B					x							x	
IOF-550; B, C, D, E, F, L, N, P, R										x			
LIO-470; A		x			x	x				x		x	x
LIO-520; P										x			
LTSIO-360; E, EB, KB, RB					x							x	
LTSIO-520; AE										x			
O-200; A, B, C		x			x					x			
O-300; A, B, C, D, E		x	x	x	x					x		x	x
O-470; 11, 13, 13A, 15, 4		x	x	x	x					x		x	x
O-470; B, G, H, M, N, P, R, S		x			x	x				x		x	x
O-470; 2		x			x					x		x	
O-470; B-C1, G-C1, K-C1, L-C1, M-C1					x	x						x	x
O-470; 11-C1, 11B, 11B-C1, A, E, J, K, L		x			x					x			x
O-470; T, U										x			
R-670; 11, 11A, 3, 4, 5, 8, A, B, C, D, E, F, G, H				x		x							x
R-9; A			x								x		
TSIO-360; A, AB, B, C, D, DB, E, EB, F, FB, G, H, HB, JB		x			x					x		x	
TSIO-360; BB, CB, GB, KB, LB, MB, NB, PB, RB, SB					x							x	
TSIO-470; B, C, D							x	x		x			
TSIO-520; AF, LB										x			
TSIO-520; A, BB, BE							x			x			
TSIO-520; AE, B, C, CE, D, DB, E, EB, G, H, J, JB, K, KB, L, M, N, NB, P, R, T, U, UB, VB, WB							x	x		x			
TSIO-550; A, B, C, E										x			
W-670; 16, 23, 24, 6A, 6N, K, M		x			x	x				x			x
Textron-Lycoming													
AEIO-320; D1B, D2B, E1A, E1B, E2A, E2B		x		x	x	x				x		x	x
AEIO-320; A		x											
AEIO-360; A2A, A2C	x	x	x	x	x	x				x		x	x
AEIO-360; A2B	x	x	x	x	x	x				x	x	x	x
AEIO-360; A1D, A1E	x	x	x	x	x					x	x		
AEIO-360; B1D, B1F6, B2F6, H1A	x	x		x	x	x				x		x	x
AEIO-360; B1H	x	x								x			
AEIO-360; A1C		x	x	x	x	x				x		x	x
AEIO-360; A1A, A1B, A1B6		x	x	x	x					x	x	x	
AEIO-360; A1E6		x			x	x				x		x	x
AEIO-360; B1B, B1F, B1G6, B2F, B4A, H1B		x		x	x	x				x		x	x
AEIO-540; D4B5	x	x			x	x				x		x	x
AEIO-540; L1B5, L1B5D		x			x	x	x	x	x			x	x

	MASSIVE ELECTRODE												
	5/8" - 24 Thread						3/4" - 20 Thread						
	Fine Wire	Massive					Fine Wire			Massive			
FAA-PMA Approved Engine Applications	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
AEIO-540; D4A5, D4C5, D4D5		x			x	x			x			x	x
AEIO-540; L1D5		x					x	x	x				
AIO-320; A1B, A2A, A2B, B1B, C1B		x		x	x	x			x			x	x
AIO-320; A1A												x	x
AIO-360; A1A, A1B, A2A, A2B		x		x	x	x			x			x	x
AIO-360; B1B		x		x	x	x			x			x	x
GO-435; C2, C2A, C2A2, C2B, C2B1, C2B2, C2C, C2D, C2E, D1		x		x	x	x			x			x	x
GO-480; G1A6			x				x	x		x	x		
GO-480; B, B1A6, B1B, B1C, B1D, C1B6, C1D6, C2C6, C2D6, C2E6, C3A6, D1A, F1A6, F2A6, F2D6, F3A6, F3B6, F4A6, F4B6, F6		x			x	x			x			x	x
GO-480; G1B6, G1D6, G1H6, G1J6, G2D6, G2F6					x		x	x				x	
GO-480; E1A6		x							x				
GSO-480; B1A6, B1B3, B1B6, B1C6, B1E6, B1G6, B1J6, B2C6, B2D6, B2G6, B2H6		x			x							x	
GSO-480; A1C6, A2A6		x			x				x			x	
GSO-480; B1F6		x											
GSO-480; A1A6		x							x				
HIO-360; E1BD	x						x			x	x		
HIO-360; A1A, A1B, B1A, B1B		x		x	x	x			x			x	x
HIO-360; C1A, C1B, D1A		x			x				x			x	
HIO-360; E1AD, F1AD							x			x	x		
HO-360; A1A, C1A		x		x	x				x			x	
HO-360; B1A, B1B		x			x				x			x	
IGO-480; A1A6, A1B6							x	x					
IGO-540; A1A, A1B, A1C, B1A, B1B, B1C		x	x				x	x	x	x	x		
IGSO-480; 13/16" reach cyl.			x				x	x		x	x		
IGSO-480; 1/2" reach cyl.		x			x				x			x	
IGSO-540; B1A, B1C		x	x				x		x	x	x		
IGSO-540; A1A, A1C, A1D, A1E, A1F, A1H			x				x			x	x		
IO-320; 13/16" reach cyl.	x		x					x			x		
IO-320; C1B	x	x		x	x	x			x			x	x
IO-320; F1A		x	x						x		x		
IO-320; A1A, A2A, B1A, B1B, B1C, B1D, B1E, B2A, D1A, D1B, D1C		x		x	x	x			x			x	x
IO-320; E1A, E2A, E2B		x			x	x			x			x	x
IO-320; E1B		x			x	x						x	x
IO-320; 1/2" reach cyl.		x				x			x				x
IO-360; C1A	x	x	x						x		x		
IO-360; F1A	x	x	x			x			x		x		
IO-360; A1B6	x	x		x	x				x			x	
IO-360; A1B6D		x	x						x		x		
IO-360; A1A		x		x	x	x			x			x	
IO-360; A1B		x		x	x	x			x			x	x
IO-360; C1B		x		x	x				x			x	
IO-360; A1C, A1D6, A1D6D, A2A, A2B, A2C, A3B6, A3D6D, C1C, C1C6, C1D6, C1E6, C1E6D, C1F, D1A, J1A6D, J1AD		x		x	x				x			x	
IO-360; A1D		x		x	x				x			x	x
IO-360; B1A, B1C, B1D, B1E, B1F, B1F6, B1G6, B2E-nd, B2E-wd, B2F, B2F6, B4A, E1A		x		x	x	x			x			x	x
IO-360; B1B		x		x	x	x			x			x	x
IO-360; A3B6D		x		x	x				x			x	
IO-360; K2A, L2A		x			x	x			x			x	x
IO-360; M1A		x				x			x				
IO-360; C1G6									x				
IO-540; P1A5, R1A5	x	x	x				x	x	x	x	x		
IO-540; K1A5, K1A5D, K1B5D, K1G5D, K1H5, K1J5, K2A5	x	x			x	x	x	x	x			x	x

	MASSIVE ELECTRODE												
	5/8" - 24 Thread						3/4" - 20 Thread						
	Fine Wire		Massive				Fine Wire			Massive			
FAA-PMA Approved Engine Applications	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
IO-540; K1C5, K1D5, K1E5D, K1F5, K1F5D, K1G5, K1J5D, K1K5	x	x			x	x			x			x	x
IO-540; E1A5, E1B5, E1C5, K1B5	x	x					x	x	x	x	x		
IO-540; J4A5	x	x						x	x	x			
IO-540; K1E5	x	x							x	x	x		
IO-540; M1A5, M1A5D, M1B5D, M1C5, M2A5D, S1A5, U1A5D, U1B5D		x	x				x	x	x	x	x		
IO-540; N1A5		x	x				x		x	x	x		
IO-540; AA1A5, AA1B5			x				x	x		x	x		
IO-540; G1A5, G1B5, G1C5, G1D5, G1E5		x			x	x	x	x	x			x	x
IO-540; AC1A5		x			x	x	x		x			x	x
IO-540; A1A5, B1A5, B1B5, B1C5, C1B5, C1C5, C2C, C4B5, C4C5, C4D5, C4D5D, D4B5, D4C5, L1A5, L1A5D, L1B5D, L1C5, T4A5D, T4B5, T4B5D, T4C5D, V4A5D		x			x	x			x			x	x
IO-540; AB1A5, D4A5		x			x	x						x	x
IO-540; W1A5, W1A5D, W3A5D					x	x			x			x	x
IO-540; G1F5					x	x						x	x
IO-540; C4B5D		x							x				
IO-720; 13/16" reach cyl.		x	x				x	x		x	x		
IO-720; 13/16" reach cyl.		x	x				x			x	x		
IO-720; 1/2" reach cyl.		x			x				x		x		
IVO-360; A1A		x					x	x		x	x		
IVO-540; A1A		x									x		
LHIO-360; C1A, C1B					x							x	
LHIO-360; F1AD										x	x		
LIO-320; C1A		x	x							x	x		
LIO-320; B1A		x		x	x	x				x		x	x
LIO-360; C1E6		x		x	x					x		x	
LO-360; A1G6D, A1H6		x		x	x	x				x		x	x
LO-360; E1A6D, E1AD, E2AD, E2BD		x			x	x				x		x	x
LTIO-540; F2BD, J2BD, N2BD, R2AD							x	x		x	x		
LTIO-540; J2B, K1AD, U2A, V2AD, W2A										x	x		
LTO-360; E1A6D			x				x	x		x	x		
LTO-360; A1A6D			x				x			x	x		
O-235; C1, C1B, C1C, C2A, C2B, C2C, E1, E1B, E2A, E2B, F1, F1B, F2A, F2B, G1, G1B, G2A, G2B, H2C, J2A, J2B, K2A, K2B, K2C, L2A, L2C, M1, M2C, M3C, N2A, N2C, P1, P2A, P2C, P3C		x	x		x	x				x		x	x
O-290; A, AP, B, C, CP, D2A, D2B, D2C		x	x		x	x				x		x	x
O-290; D, D2		x				x				x			x
O-320; D1A, D1B, D1C, D1D, D1F, D2A, D2C, D2F, D2G, D2H, D2J, D3G, E2A, E2C		x		x	x	x				x		x	x
O-320; D2B		x		x	x	x				x		x	x
O-320; A1A, A1B, A2A, A2B, A2D, A3A, A3B, A3C, B1A, B1B, B2A, B2B, B2C, B2D, B3A, B3B, B3C, C1A, C1B, C2A, C2B, C2C, C3A, C3B, C3C, E1A, E1B, E1C, E1F, E1J, E2B, E2D, E2F, E2G, E2H, E3D, E3H		x		x	x	x				x		x	x
O-320; A2C				x	x	x						x	x
O-320; H1AD, H1BD, H2AD, H2BD, H3AD, H3BD		x			x	x				x		x	x
O-340; A1A, A2A, B1A		x			x	x				x		x	x
O-360; A1A-nd, A1A-wd, A1AD, A1C, A1D, A1F, A1F6, A1F6D, A1G, A1G6, A1G6D, A1H, A1LD, A1P, A2A, A2D, A2E, A2F, A2G, A2H, A3A, A3AD, A3D, A4A, A4AD, A4D, A4G, A4J, A4K, A4M, A4N, A4P, A5AD, B1A, B1B, B2A, B2B, B2C, C1A, C1C, C1E, C1F, C1G, C2A, C2B, C2C, C2D, C2E, C4F, C4P, D1A, D2A, D2B, F1A6		x		x	x	x				x		x	x
O-360; A1H6				x	x	x						x	x
O-360; E1A6D, E1AD, E1BD, E2AD, E2BD, G1A6, J2A		x			x	x				x		x	x

	MASSIVE ELECTRODE												
	5/8" - 24 Thread						3/4" - 20 Thread						
	Fine Wire	Massive					Fine Wire			Massive			
FAA-PMA Approved Engine Applications	UREB36S	UREM38S	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32S	URHB36S	URHM38S	URHB32E	URHB37E	URHM38E	URHM40E
O-435; A, A2, C2		x			x	x			x			x	x
O-435; C, C1, K, K1		x			x				x			x	
O-435; B		x							x				
O-435; 1/2" reach cyl., 25							x						
O-540; L3C5D	x	x							x		x		
O-540; A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, A4A5, A4B5, A4C5, A4D5, B1A5, B1B5, B1D5, B2A5, B2B5, B2B5-wd, B2C5, B2C5-wd, B4A5, B4B5, B4B5-wd, E4A5, E4B5, E4B5-wd, E4C5, F1A5, F1B5, G1A5, G1A5-wd, G2A5, G2A5-wd, H1A5, H1A5D, H1B5D, H2A5, H2A5D, H2B5D, J1A5D, J1B5D, J1C5D, J1D5D, J2A5D, J2B5D, J2C5D, J2D5D, J3A5, J3A5D, J3C5D		x			x	x			x			x	x
O-540; D1A5		x							x				
R-680; 2, 5, 6, B2, B4, B4B, B4C, B4D, B4E, B5, B6, D5, D6, E1, E2, E3, E3A, E3B		x			x				x				x
R-680; 4					x								x
TIGO-541; B1A, C1A, D1A, D1B, E1A, G1AD										x			
TIO-360; C1A6D			x				x	x			x		
TIO-360; A1A, A1B, A3B6			x								x		
TIO-540; A1A, A1B, A1C, A2A, A2B, A2C, AA1AD, AB1AD, AB1BD, AE2A, AF1A, AF1B, AG1A, AH1A, AJ1A, C1A, E1A, F2BD, G1A, H1A, J2BD, K1AD, N2BD, R2AD, S1AD, T2AD, V2AD							x	x		x	x		
TIO-540; U2A, W2B								x		x			
TIO-540; J2B, W2A										x	x		
TIO-540; AK1A							x	x					
TIO-541; A1A, E1A4, E1B4, E1C4, E1D4			x							x	x		
TIVO-540; A2A							x			x	x		
TO-360; C1A6D, E1A6D, F1A6D			x				x	x		x	x		
TO-360; A1A6D			x				x			x	x		
TVO-435; A1A, C1A, D1A, E1A, F1A, G1A, G1B	x	x					x	x	x	x	x		
TVO-435; B1B, D1B	x	x					x		x	x	x		
TVO-435; 13/16" reach cyl.		x					x	x		x	x		
TVO-435; 1/2" reach cyl.	x				x				x			x	
VO-360; A1A, A1B, B1A	x			x	x	x			x			x	x
VO-435; 13/16" reach cyl.		x					x	x		x	x		
VO-435; 1/2" reach cyl.	x				x				x			x	
VO-540; A1A, A2A, B1A, B1B, B1B3, B1C, B1D, B1E, B1F, B1H3, B2A, B2C, B2D, B2E, B2G, C1A, C1B, C1C3, C2A, C2B, C2C	x				x				x			x	
Warner													
Scarab-Series; 28, 29, 30, 40, 50					x								x
Scarab Jr.-Series; 40, 50					x								x
Super Scarab-165					x								x
Super Scarab-165; A, B, D					x								x
Super Scarab-185					x								x
Super Scarab-185; J, K					x								x
Super Scarab-Series; 40, 50, 50A					x								x